DEEPER INSIGHTS

IDEXX MicroBiogram™

IDEXX LABORATORIES

Jan-Apr 2015

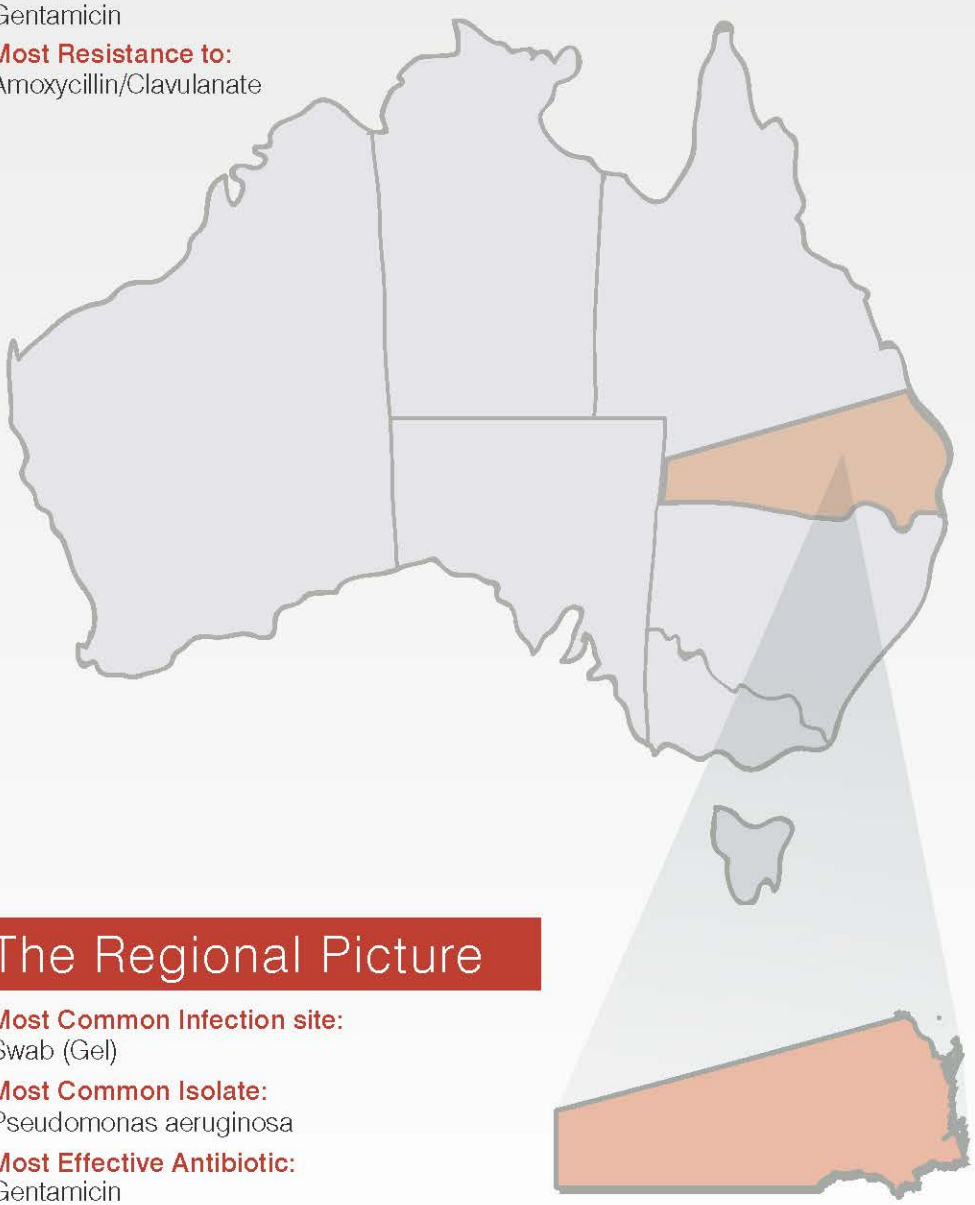
The National Picture

Most Common Infection site:
Swab (Gel)

Most Common Isolate:
Pseudomonas aeruginosa

Most Effective Antibiotic:
Gentamicin

Most Resistance to:
Amoxycillin/Clavulanate



The Regional Picture

Most Common Infection site:
Swab (Gel)

Most Common Isolate:
Pseudomonas aeruginosa

Most Effective Antibiotic:
Gentamicin

Most Resistance to:
Amoxycillin/Clavulanate

State by State

New South Wales
Most Common Sample Submitted:
Swab (Gel)
Most Common Isolate Found:
E.coli
Most Effective Antibiotic:
Enrofloxacin
Most Resistance to:
Amoxycillin/Ampicillin

Victoria
Most Common Sample Submitted:
Swab (Gel)
Most Common Isolate Found:
E.coli
Most Effective Antibiotic:
Trimethoprim
Most Resistance to:
Amoxycillin/Ampicillin

South Australia
Most Common Sample Submitted:
Swab (Gel)
Most Common Isolate Found:
Pseudomonas aeruginosa
Most Effective Antibiotic:
Gentamicin
Most Resistance to:
Cephalexin & Amoxycillin/Clavulanate

Western Australia
Most Common Sample Submitted:
Swab (Gel)
Most Common Isolate Found:
Pseudomonas aeruginosa
Most Effective Antibiotic:
Ciprofloxacin
Most Resistance to:
Amoxycillin/Clavulanate

Tasmania
Most Common Sample Submitted:
Swab (Gel)
Most Common Isolate Found:
E.coli
Most Effective Antibiotic:
Enrofloxacin
Most Resistance to:
Amoxycillin/Ampicillin

Northern Territory
Most Common Sample Submitted:
Swab (Gel)
Most Common Isolate Found:
Pseudomonas aeruginosa
Most Effective Antibiotic:
Gentamicin
Most Resistance to:
Cephalexin & Amoxycillin/Clavulanate

*Information is based on total submissions to IDEXX per geographical region and sensitivity results irrespective of species or infection site. The geographical overviews are intended as a guide only.

IDEXX LABORATORIES

IDEXX MicroBiogram™ Antibiotic Surveillance Report

Test Period: 01/01/2015 - 01/04/2015

Cases Submitted	Cultures Requested	#Submitted
Urine (Cystocentesis)	Aerobic Cultures	14
	Anaerobic Cultures	
Swab (Gel)	Aerobic Cultures	2
	Anaerobic Cultures	
Fluid	Aerobic Cultures	2
	Anaerobic Cultures	
Cerebrospinal Fluid	Aerobic Cultures	2
	Anaerobic Cultures	
Blood Culture Bottle	Aerobic Cultures	1
	Anaerobic Cultures	

Announcing A New Innovation From IDEXX Laboratories!

Designed for Australian veterinary professionals and anyone connected to the delivery of veterinary care, the new IDEXX MicroBiogram™ provides historic data on antibiotic resistance testing undertaken at IDEXX Laboratories.

The data presented in the IDEXX MicroBiogram™ has been developed from a review of all submissions to IDEXX by veterinarians using our unique diagnostic service from around Australia.

The IDEXX MicroBiogram presents an overview of antibiotic resistance at four key levels; National, State, Regional and the individual clinic level*.

We envisage that this information will provide you with a framework for choosing the most appropriate antibiotic during empirical therapy while using the IDEXX laboratory service to pursue the gold standard culture and sensitivities.

For more information on IDEXX Microbiology services please visit www.youtube.com/IDEXXaustralia or speak with your IDEXX Diagnostic Practice Consultant.

*where data is available and based only on submissions to IDEXX Reference Laboratories

Antibiotic Sensitivity Table for Urine (Cystocentesis) Submissions		Most Effective	Effective	Most Resistance to
E.coli	Aerobic Cultures	Cephalexin	Cefovecin	No Significant Results
Enterobacter cloacae	Aerobic Cultures	Gentamicin	Doxycycline	No Significant Results
Enterococcus sp.	Aerobic Cultures	Chloramphenicol	Doxycycline	No Significant Results

Antibiotic Sensitivity Table for Swab (Gel) Submissions		Most Effective	Effective	Most Resistance to
Pseudomonas aeruginosa	Aerobic Cultures	Marbofloxacin	Gentamicin	Cephalexin & Amoxycillin/Clavulanate

Antibiotic Sensitivity Table for Fluid Submissions		Most Effective	Effective	Most Resistance to
Beta haemolytic Streptococcus sp.	Aerobic Cultures	Amoxycillin/Clavulanate	Amoxycillin/Ampicillin	Doxycyline & Tetracycline
Pseudomonas aeruginosa	Aerobic Cultures	Enrofloxacin	Ciprofloxacin	Cephalexin & Amoxycillin/Clavulanate

Antibiotic Sensitivity Table for Cerebrospinal Fluid Submissions		Most Effective	Effective	Most Resistance to
Alpha haemolytic Streptococcus sp.	Aerobic Cultures	Amoxycillin/Clavulanate	Amoxycillin/Ampicillin	Doxycyline & Tetracycline
Coagulase negative Staphylococcus sp.	Aerobic Cultures	Amoxycillin/Clavulanate	Trimethoprim/Sulph	No Significant Results

Antibiotic Sensitivity Table for Blood Culture Bottle Submissions		Most Effective	Effective	Most Resistance to
Erysipelothrix sp.	Aerobic Cultures	Amoxycillin/Clavulanate	Amoxycillin/Ampicillin	No Resistance Recorded

*IDEXX provides the information in this report for the discretionary use of practicing veterinarians and is intended as a guide only. Signalment is a critical consideration in selecting a suitable antibiotic and for treatment recommendations please consult a medicine specialist or pharmacological therapy guidelines, as they pertain to each individual case. IDEXX is an advocate of the responsible selection and use of antibiotics.

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